

PLATFORM FOR ANALYSIS OF LIQUID SAMPLES

Abstract

The present application relates to apparatus for sampling and analysis of analytes in a liquid sample. A liquid sample is pre-concentrated using a chromatographic column prior to analysis via a two stage analysis apparatus. A high-performance liquid chromatography system with ultra violet detection may be used in conjunction with electrochemical detection for the analysis of environmental contaminants, including explosive residues. The present invention also provides for on-site analysis of such contaminants. The present invention also provides for methods of analyzing the components of a liquid sample, including methods for on-site analysis.